

Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application.

Claims 1-19 (Cancelled).

Claims 20-34 (Cancelled).

Claim 35. (Currently Amended) A method of treating a disease or disorder in a subject comprising administering to a subject in need thereof ~~[[an]]~~ a therapeutically effective amount of a composition comprising an isolated peptide, which comprises ~~an amino acid sequence at least 95% similar to~~ SEQ ID NO: 13, ~~wherein said peptide induces antibodies that specifically bind to a polypeptide consisting of~~ SEQ ID NO: 13.

Claim 36. (Canceled)

Claim 37. (Canceled)

Claim 38. (Currently Amended) The method of claim ~~[[37]]~~ 35, wherein said peptide is encoded by a polynucleotide comprising SEQ ID NO: 12.

Claim 39. (Previously Presented) The method of claim 35, wherein said peptide further comprising a heterologous peptide.

Claim 40. (Previously Presented) The method of claim 39, wherein said heterologous peptide is a His tag.

Claim 41. (Previously Presented) The method of claim 35, wherein said composition further comprises a carrier.

Claim 42. (Previously Presented) The method of claim 41, wherein said composition further comprises an adjuvant.

Claim 43. (Previously Presented) The method of claim 42, wherein said adjuvant is alum.

Claim 44. (Previously Presented) The method of claim 35, wherein said subject is an animal.

Claim 45. (Previously Presented) The method of claim 44, wherein said animal is a human or a cow.

Claim 46. (Previously Presented) The method of claim 35, wherein said composition elicits an immune response.

Claim 47. (Previously Presented) The method of claim 35, wherein said disease or disorder is selected from the group consisting of: a Group B *Streptococcus*

infection, septicaemia, pneumonia, osteomyelitis, septic arthritis, abscesses, endophthalmitis, urinary track infection, and chronic mastitis.

Claim 48. (Previously Presented) The method of claim 47, wherein said disease or disorder is a Group B *Streptococcus* infection.

Claim 49. (Previously Presented) The method of claim 47, wherein said disease or disorder is a urinary track infection.

Claim 50. (New) The method of claim 35, wherein said treating is prophylactic.

Claim 51. (New) A method of inducing an immune response in a subject comprising administering to a subject in need thereof an effective amount of a composition comprising an isolated peptide, which comprises SEQ ID NO: 13.

Claim 52. (New) The method of claim 51, wherein said peptide is encoded by a polynucleotide comprising SEQ ID NO: 12.

Claim 53. (New) The method of claim 51, wherein said peptide further comprising a heterologous peptide.

- Claim 54. (New) The method of claim 53, wherein said heterologous peptide is a His tag.
- Claim 55. (New) The method of claim 53, wherein said composition further comprises a carrier.
- Claim 56. (New) The method of claim 55, wherein said composition further comprises an adjuvant.
- Claim 57. (New) The method of claim 56, wherein said adjuvant is alum.
- Claim 58. (New) The method of claim 51, wherein said subject is an animal.
- Claim 59. (New) The method of claim 58, wherein said animal is a human or a cow.